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(21)Application number : 2001-140909 (71)Applicant : HITACHI TOOL ENGINEERING LTD
(22)Date of filing : 11.05.2001 (72)Inventor : ISHIKAWA TAKASHI
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(54) HARD-COATING COATED TOOL

(57)Abstract:

PROBLEM TO BE SOLVED: To provide a hard-coating coated tool, capable of attaining high coating hardness by intervening amorphous nano-crystal phase, thereby achieving excellent abrasive resistance and oxidation resistance.

SOLUTION: In this hard-coating coated tool of which the base surface is covered with hard coating, there is provided at least one layer of hard coating with very high hardness in which fine amorphous particles of (CrAlSi)N series are dispersed in a CrAl series hard coating with excellent oxidation resistance.

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